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ESE

**ENVIRONMENTAL SCIENCE
AND ENGINEERING, INC.**

AN **RSH** COMPANY

November 13, 1987
ESE No. 87541-0100

Commander
Department of the Navy
Atlantic Division
Naval Facilities Engineering Command
Code 114: ATTN: Jerry Wallmeyer
Norfolk, Virginia 23511-6287

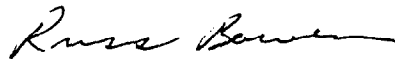
RE: Contract No. N62740-85-C-7972, Confirmation Study, U.S.
Naval Complex, Puerto Rico

Dear Jerry:

Enclosed is the second monthly progress report for the period
of October 5, 1987 through November 12, 1987.

Please do not hesitate to call me if you have any questions
regarding this report.

Sincerely,



Russell V. Bowen, P.E.
Project Manager

RVB/tlh
Enclosures
cc: Lou Bilello, ESE
Donna Baggett, ESE
Lisa Bare, ESE

MONTHLY PROGRESS REPORT
PERIOD 10/5/87 THROUGH 11/12/87

U.S. NAVAL COMPLEX, PUERTO RICO
CONFIRMATION STUDY

WORK ACCOMPLISHED

1. Installed three monitor wells at Site 18, Pest Control Shop at NAVSTA Roosevelt Roads, and one monitor well at Site 6, Langley Drive Disposal Site at NAVSTA Roosevelt Roads.
2. Drilled 46 of 52 investigative soil borings at Site 12, Tow Way Fuel Farm at NAVSTA Roosevelt Roads.
3. Collected all surface water, sediment, soil, and ground water samples at NAVSTA Roosevelt Roads and NSGA Sabana Seca except for the following:
 - o Fingerprint sample of suspected source of fuel contamination at Site 12, NAVSTA Roosevelt Roads;
 - o Ground water samples from three monitor wells at Site 1, NAF Vieques;
 - o Ground water sample from existing well at Site 3, NAF Vieques.
4. Initiated laboratory analyses of collected environmental samples.

PROBLEMS ENCOUNTERED

A live underground electrical transmission line was hit during the soil boring investigation near well 12GW06 at Site 12, NAVSTA Roosevelt Roads on October 19, 1987. No injuries or permanent damage to facilities resulted from this accident. This electrical line did not appear on any of the underground utilities drawings provided by the Engineering Branch of Public Works. Consequently, the drilling program was suspended until November 2, 1987 to allow the performance of an electromagnetometer (EM) survey of the area to locate suspected underground utilities. Most of this 14-day suspension period was spent in identifying and locating the owners/operators of metal equipment in the subject area which would interfere with the EM survey, and arranging for the equipment to be moved. The NAVSTA Point of Contact provided little support in trying to resolve this problem.

PERCENTAGE OF WORK COMPLETED

Approximately 50 percent.

PLANS FOR FOLLOWING MONTH

1. Finalize Work/Safety Plan for NAVSTA Roosevelt Roads and NSGA Sabana Seca.
2. Install the two replacement monitor wells (R7GW03 and R7GW04) at Site 7, NAVSTA Roosevelt Roads, and one monitor well at Site 6, NSGA Sabana Seca. Develop and sample these wells.
3. Collect the samples identified under Item 3, "Work Accomplished" as not having been collected during this reporting period.
4. Continue laboratory analysis of samples, with priority on Site 6, NSGA Sabana Seca, samples.
5. Grout damaged well R7GW03 at Site 7, NAVSTA Roosevelt Roads.
6. Replace concrete pad, protective posts, and protective casing at monitor well 12GW06. Repair concrete pad at well 12GW05.
7. Complete surveying of all wells, and install locking caps on all wells.

CONFIRMATION OF ANY CLARIFICATIONS OR TECHNICAL GUIDANCE

None.